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50 Ohm Transmission and Computer Cable

RG-8X and RG-8/U Type

Jameco Part Number 232750 (8214-010-100)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-8X Type • 16 AWG Stranded (19x29) .058″ Bare Copper • 95% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**9258**	NEC:	U-500	U-152.4	20.0	9.1	16 AWG	.155	3.94	BC Braid	.242	6.15	50	82%	24.8	81.4	1	.3	.8
		CM	500	152.4	20.0	9.1	(19x29)			95% Shield							10	.9	2.9
		CEC:	U-1000	U-304.8	40.0	18.2	.058″			Coverage							50	2.1	6.9
		CM	1000▲	304.8	40.0	18.2	BC			3.3Ω/M′							100	3.1	10.2
							4.3Ω/M′			10.8Ω/km							200	4.5	14.8
							14.1Ω/km										400	6.6	21.7
																	700	9.1	29.9
																	900	10.7	35.1
▲1000 ft. put-up also available in White.																	1000	11.2	36.7
RG-8/U Type • 13 AWG Stranded (7x21) .085″ Bare Copper • 97% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**8237**	NEC:	100	30.5	13.3	6.0	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
		CMH	500	152.4	56.5	25.7	(7x21)			97% Shield							10	.6	1.8
		CEC:	1000	304.8	112.0	50.9	.085″			Coverage							50	1.3	4.3
		CMH FT1					BC			1.2Ω/M′							100	1.9	6.2
							1.9Ω/M′			3.9Ω/km							200	2.8	9.2
							6.2Ω/km										400	4.2	13.8
																	700	5.9	19.4
																	900	6.9	22.6
																	1000	7.4	24.3
JAN-C-17A																	4000	23.2	76.1
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9251**	NEC:	500	152.4	58.0	26.4	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
		CMX	1000	304.8	115.0	52.3	(7x21)			97% Shield							10	.6	1.8
		CEC:					.085″			Coverage							50	1.3	4.3
		CMX					BC			1.2Ω/M′							100	1.9	6.2
							1.9Ω/M′			3.9Ω/km							200	2.8	9.2
							6.2Ω/km										400	4.2	13.8
																	700	5.9	19.4
																	900	6.9	22.6
																	1000	7.4	24.3
MIL-C-17D																	4000	23.2	76.1
RG-8/U Type • 11 AWG Stranded (7x19) .108″ Bare Copper • 97% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8214**	NEC:	100	30.5	14.2	6.5	11 AWG	.285	7.24	BC Braid	.403	10.24	50	78%	26	85.3	1	.1	.5
		CM	500	152.4	61.0	27.7	(7x19)			97% Shield							10	.5	1.7
		CEC:	1000	304.8	121.0	55.0	.108″			Coverage							50	1.2	3.9
		CM					BC			1.1Ω/M′							100	1.7	5.6
							1.2Ω/M′			3.6Ω/km							200	2.6	8.5
							3.9Ω/km										400	3.9	12.8
																	700	5.6	18.4
																	900	6.5	21.3
																	1000	7.0	23.0
																	4000	21.5	70.5

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.